

**FIG. 1**

Re: Applied Materials Docket No.: 7156/SYNX/JB  
SUBSTRATE CARRIER HAVING DOOR LATCHING AND SUBSTRATE  
CLAMPING MECHANISMS  
Inventor(s): Michael R. Rice, Martin R. Elliott, Robert B.  
Lowrance, Jeffrey C. Hudgens and Eric A.  
Englhardt  
Serial No.: unknown  
Filing Date: herewith

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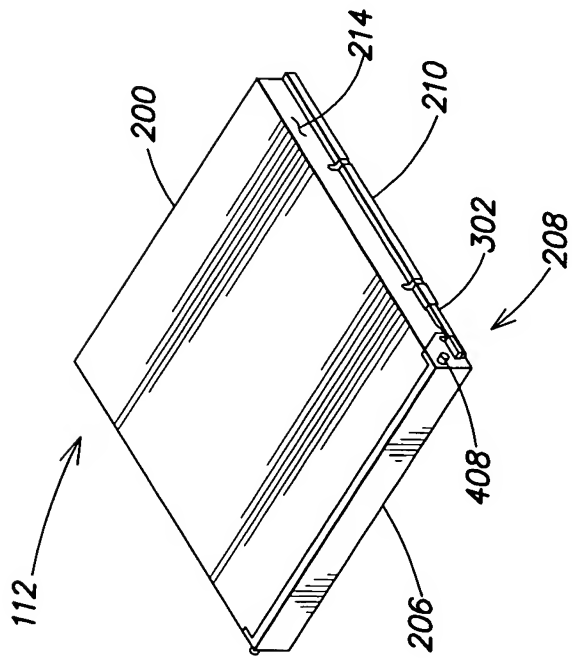


FIG. 2A

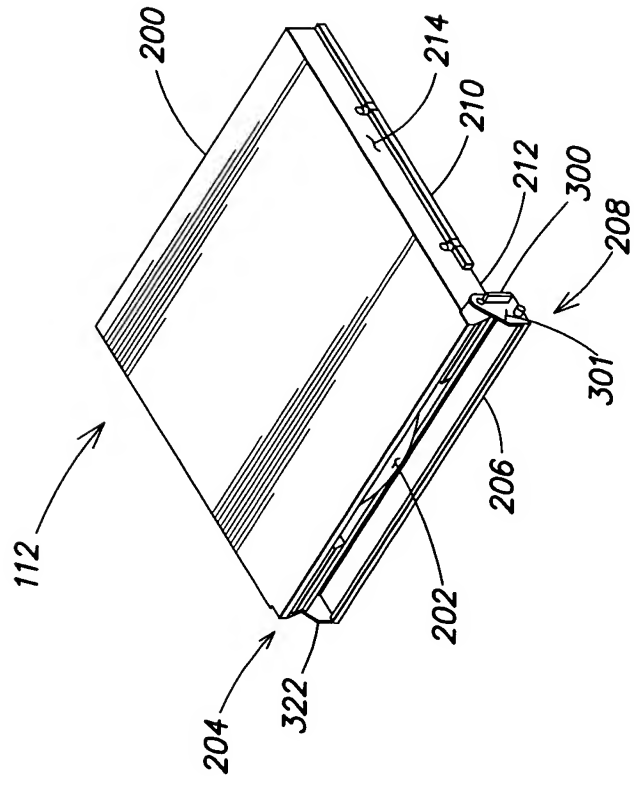


FIG. 2B

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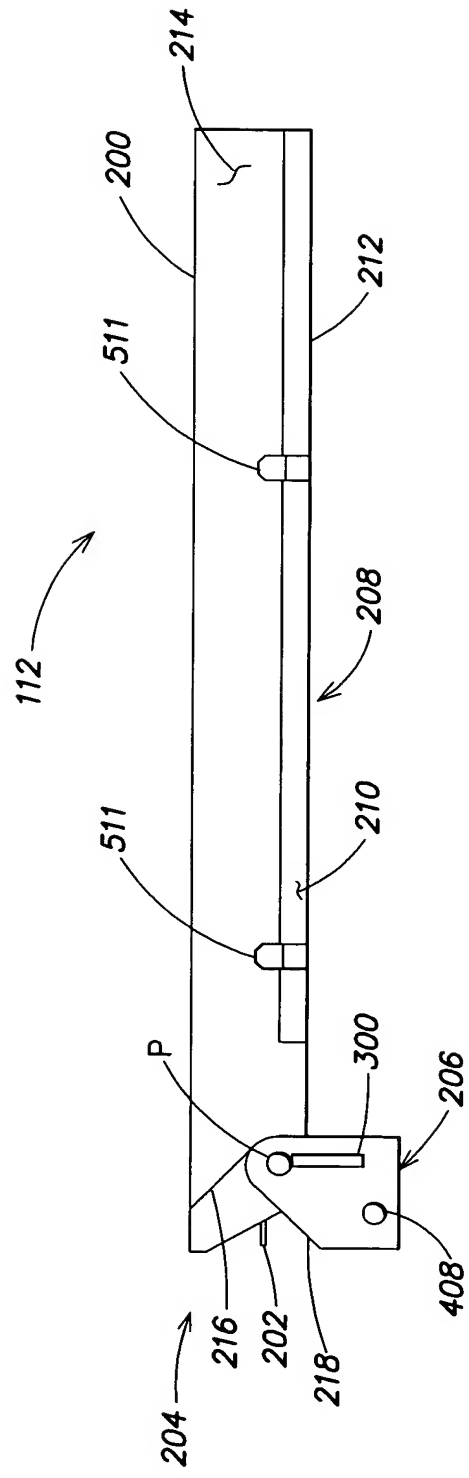


FIG. 2C

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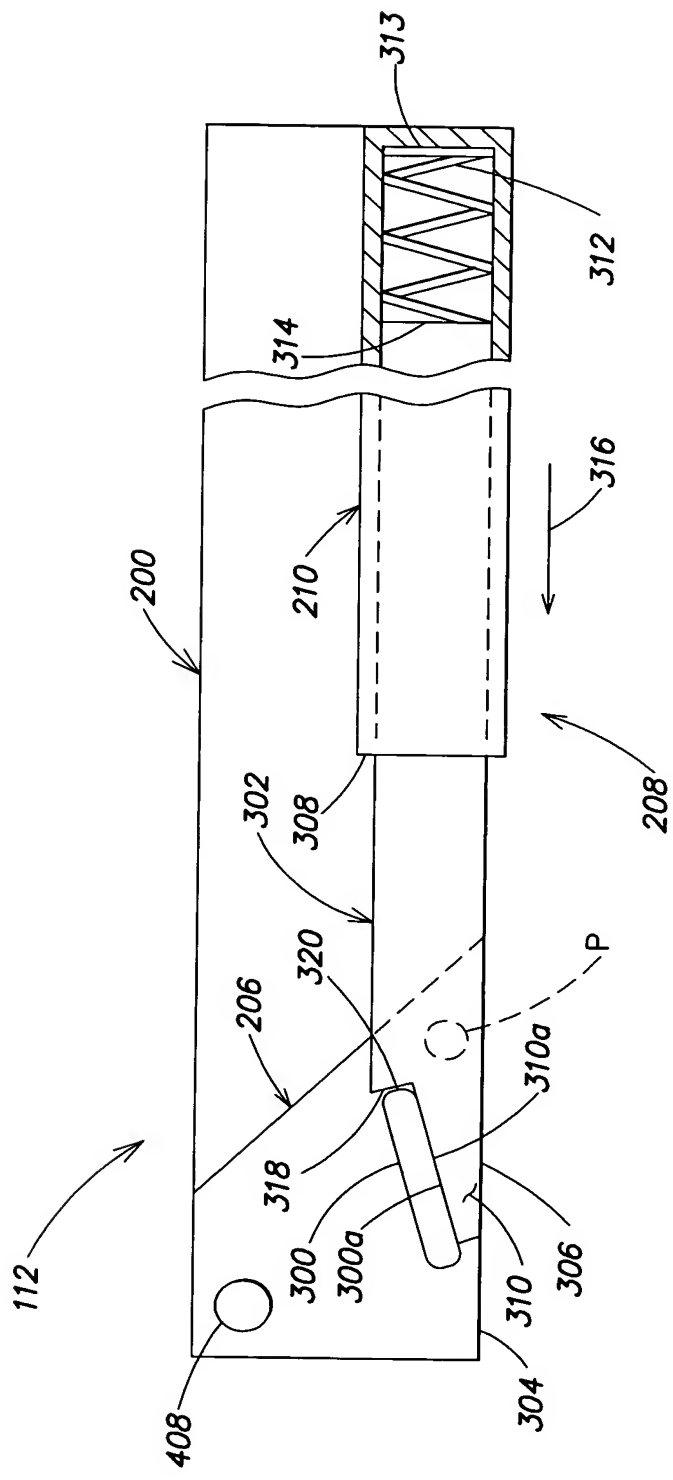


FIG. 3

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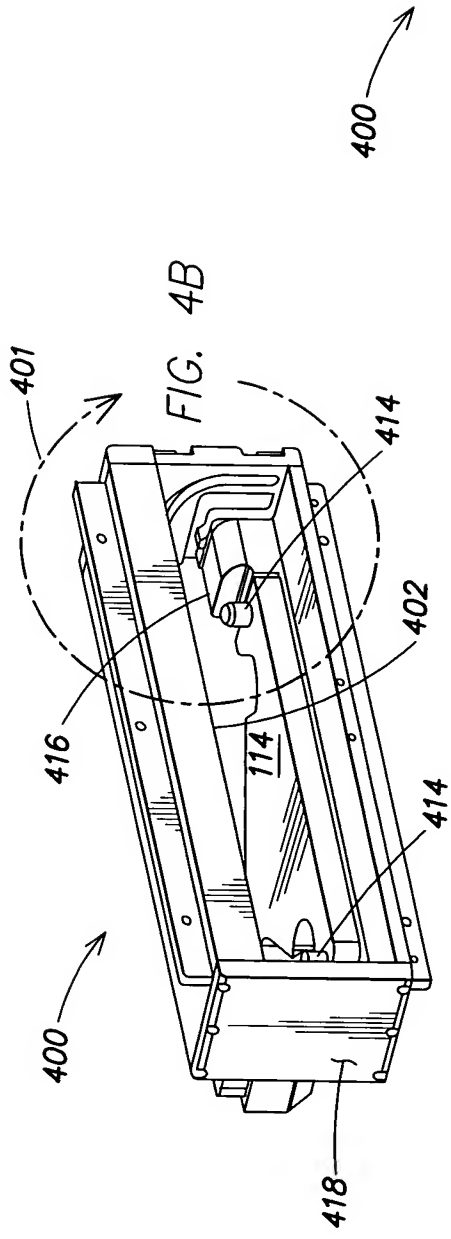
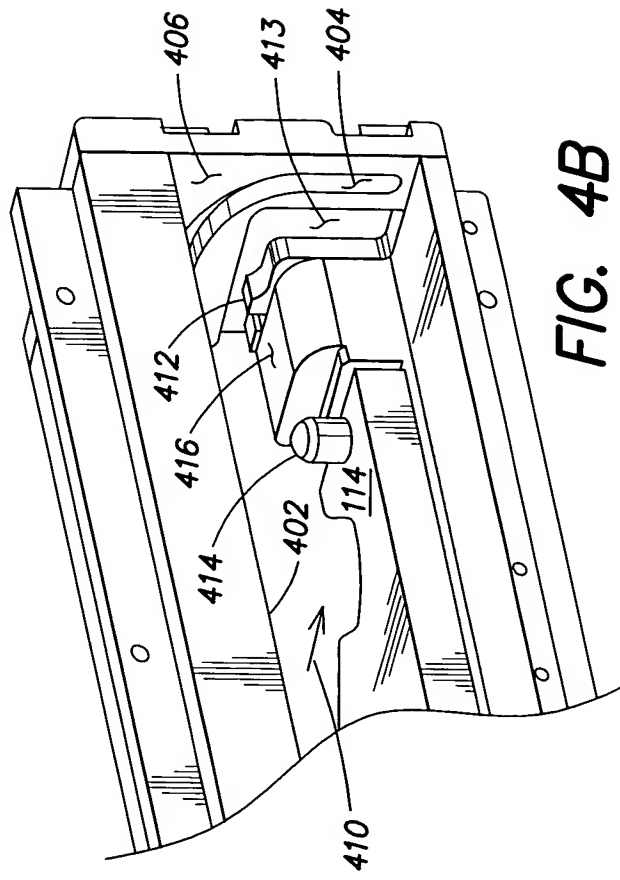


FIG. 4A



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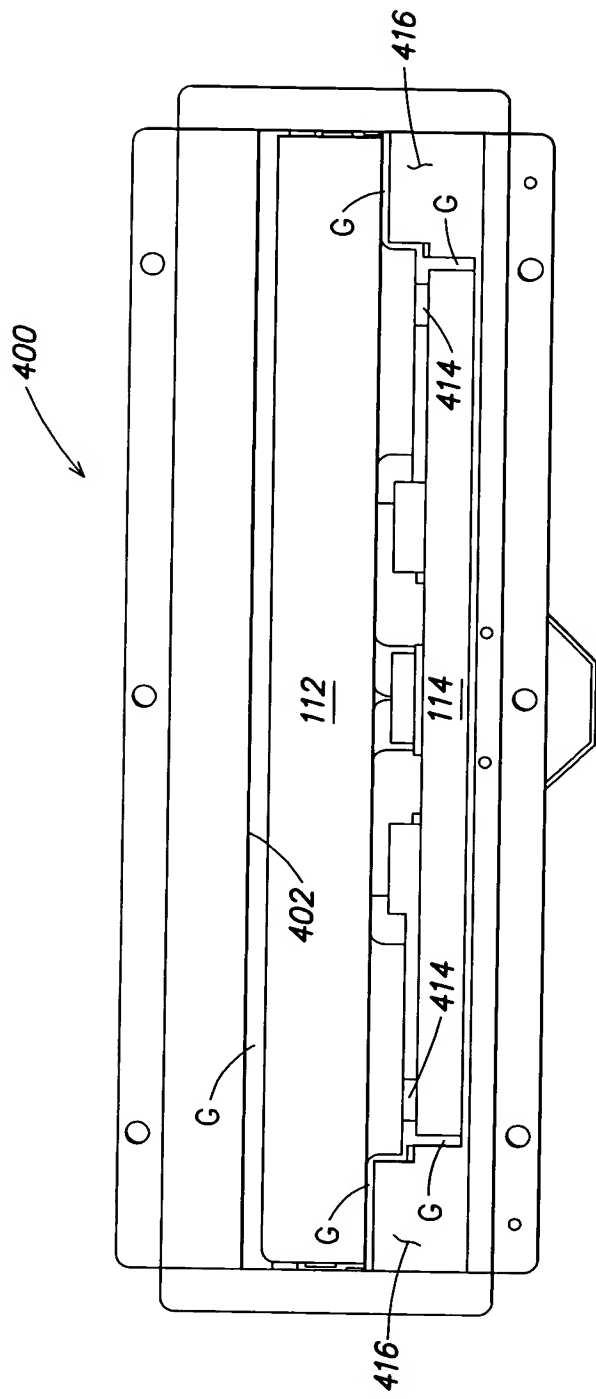


FIG. 4C

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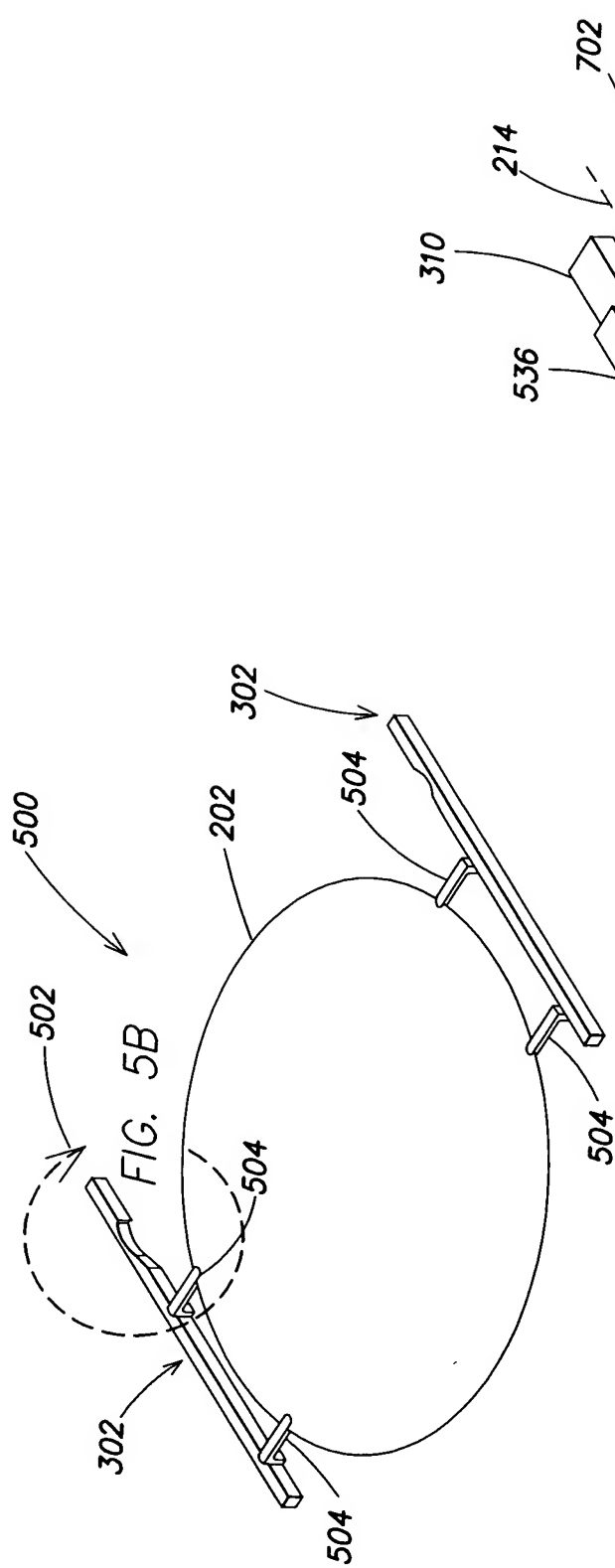


FIG. 5A

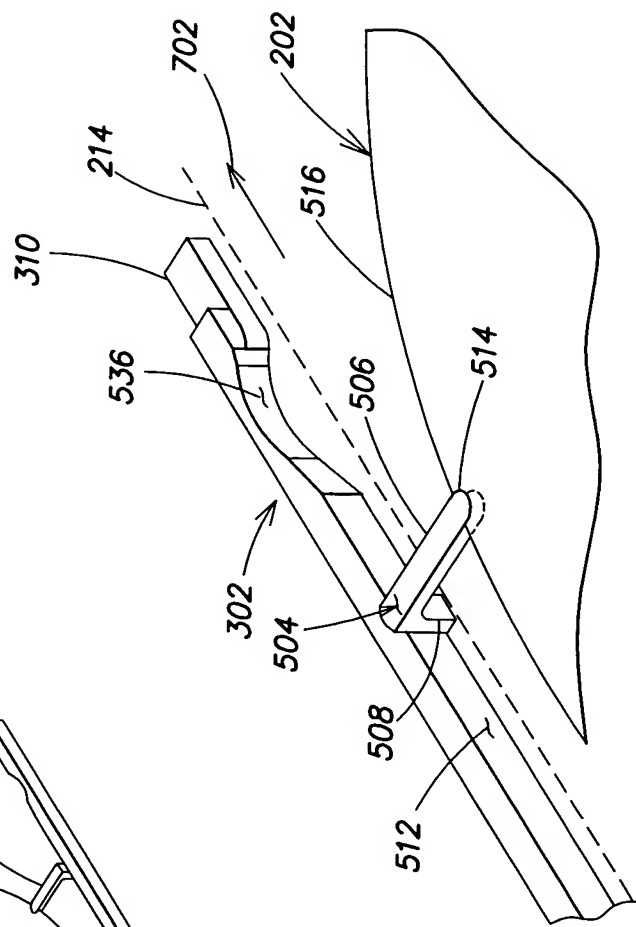


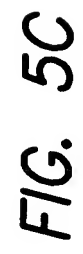
FIG. 5B

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**FIG. 5C**

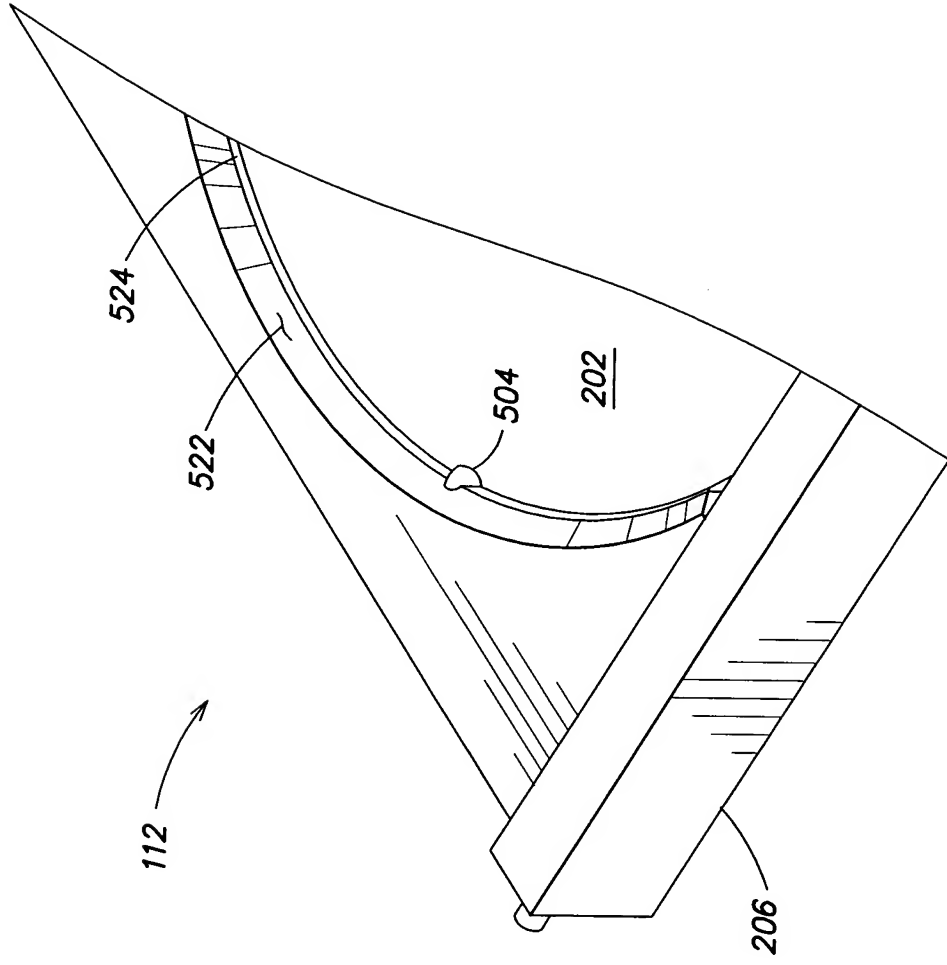
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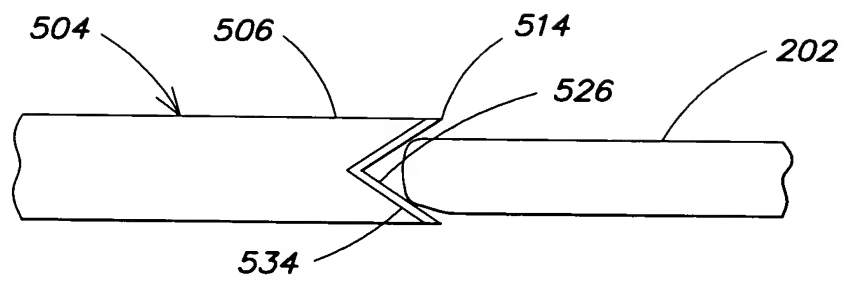
**FIG. 5D**

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**FIG. 6A**

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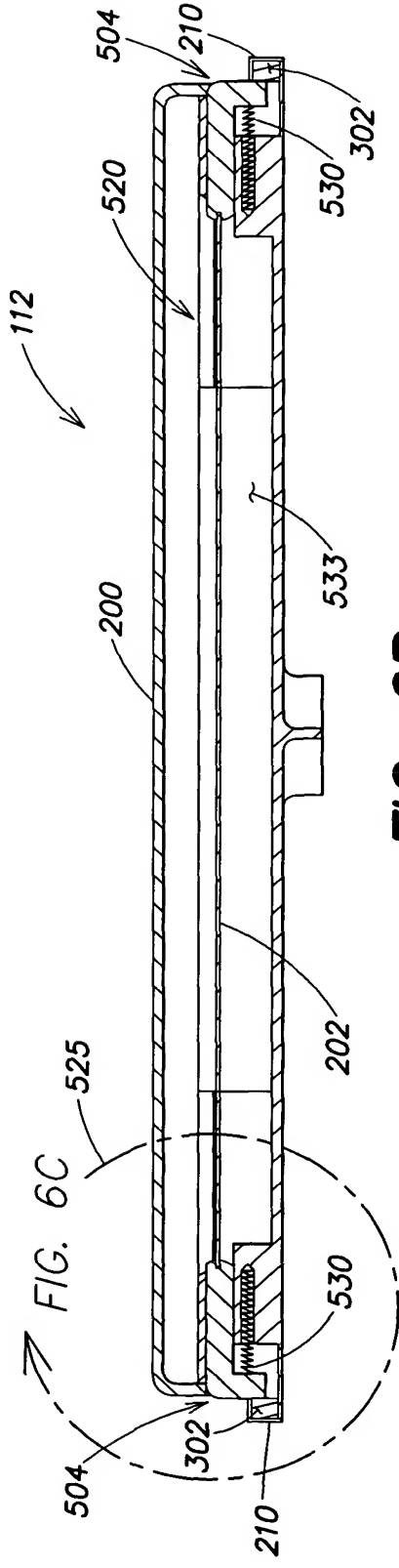


FIG. 6B

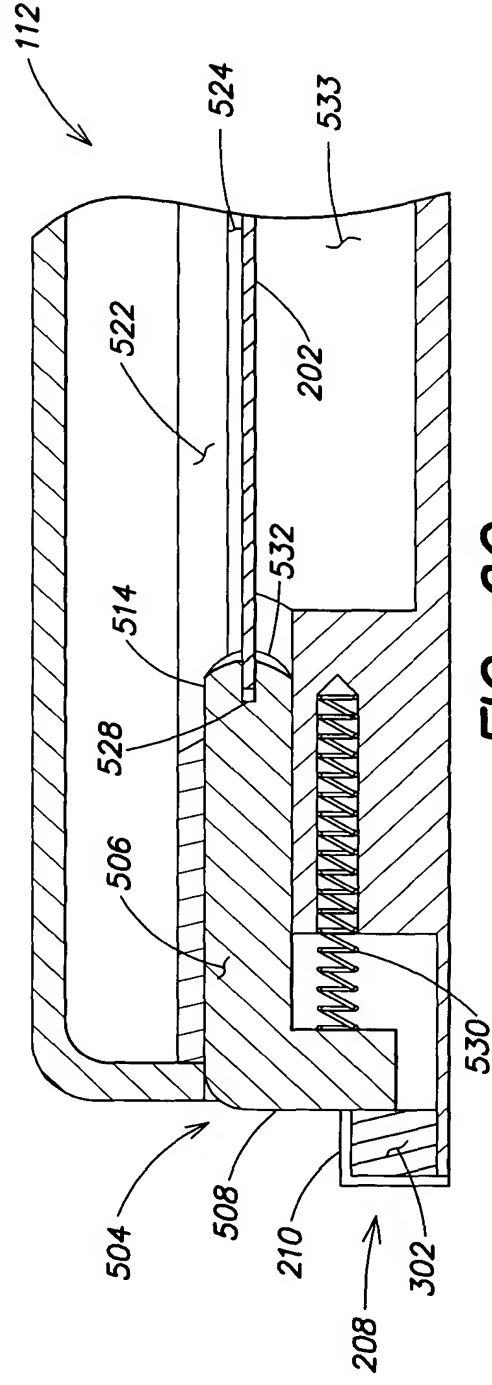


FIG. 6C

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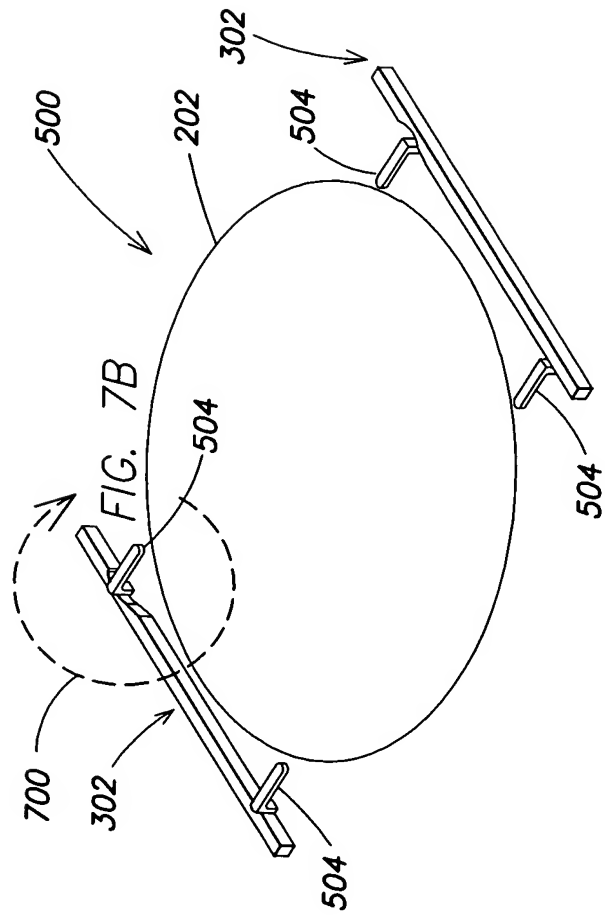


FIG. 7A

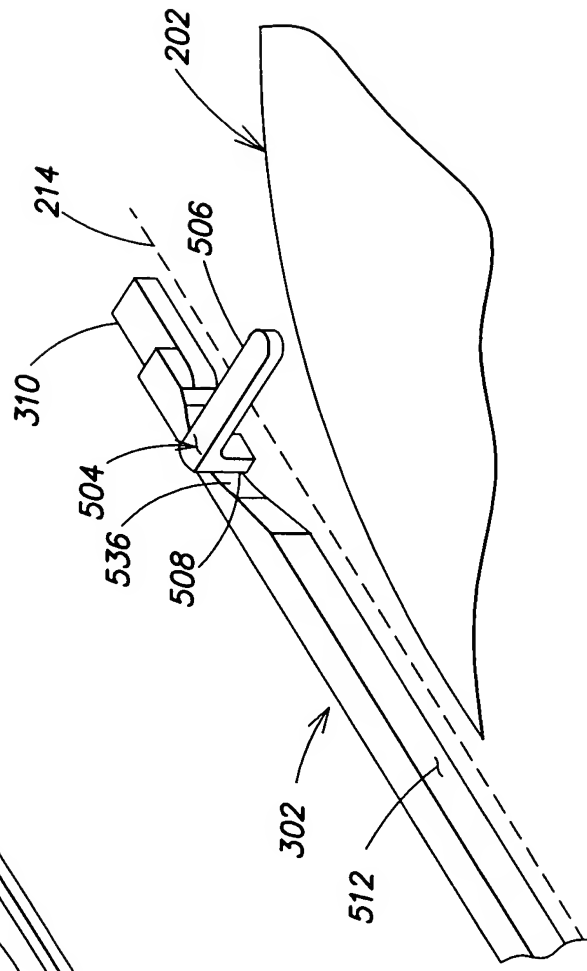


FIG. 7B

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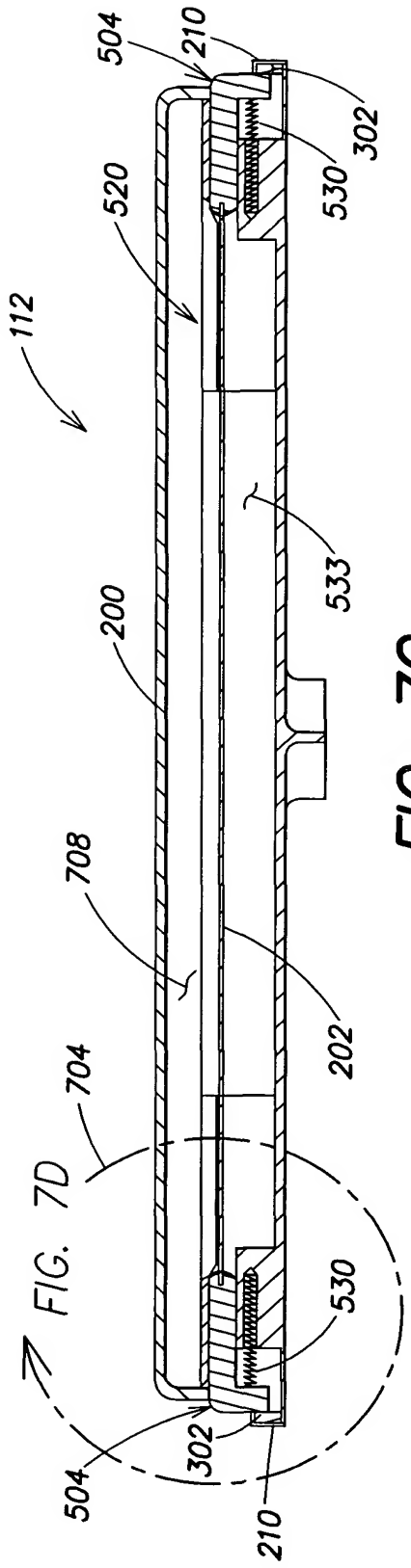


FIG. 7C

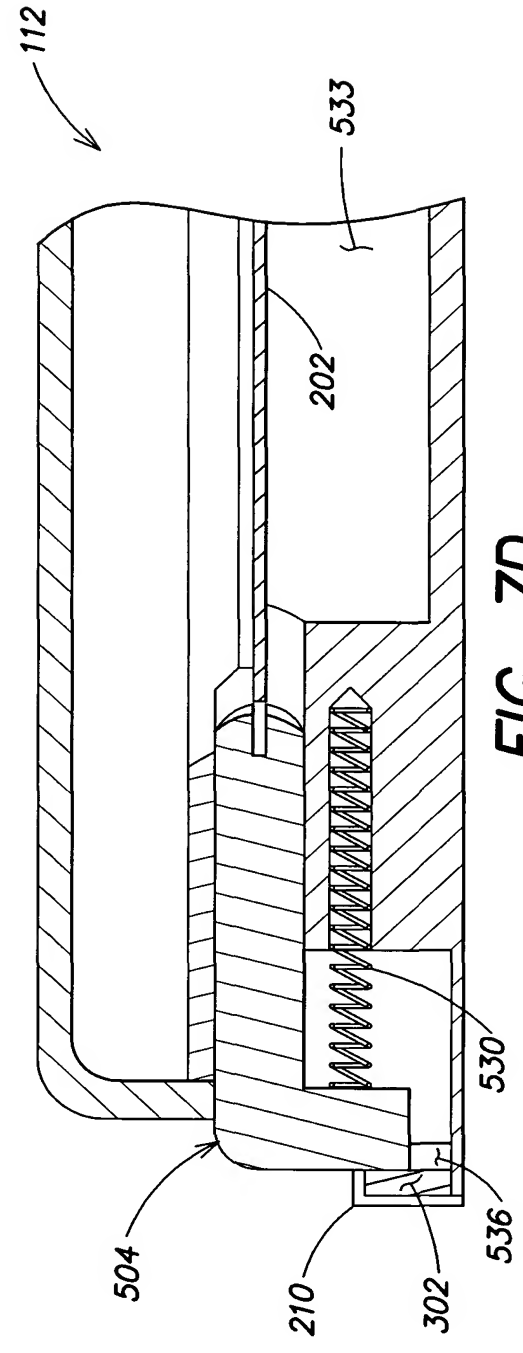


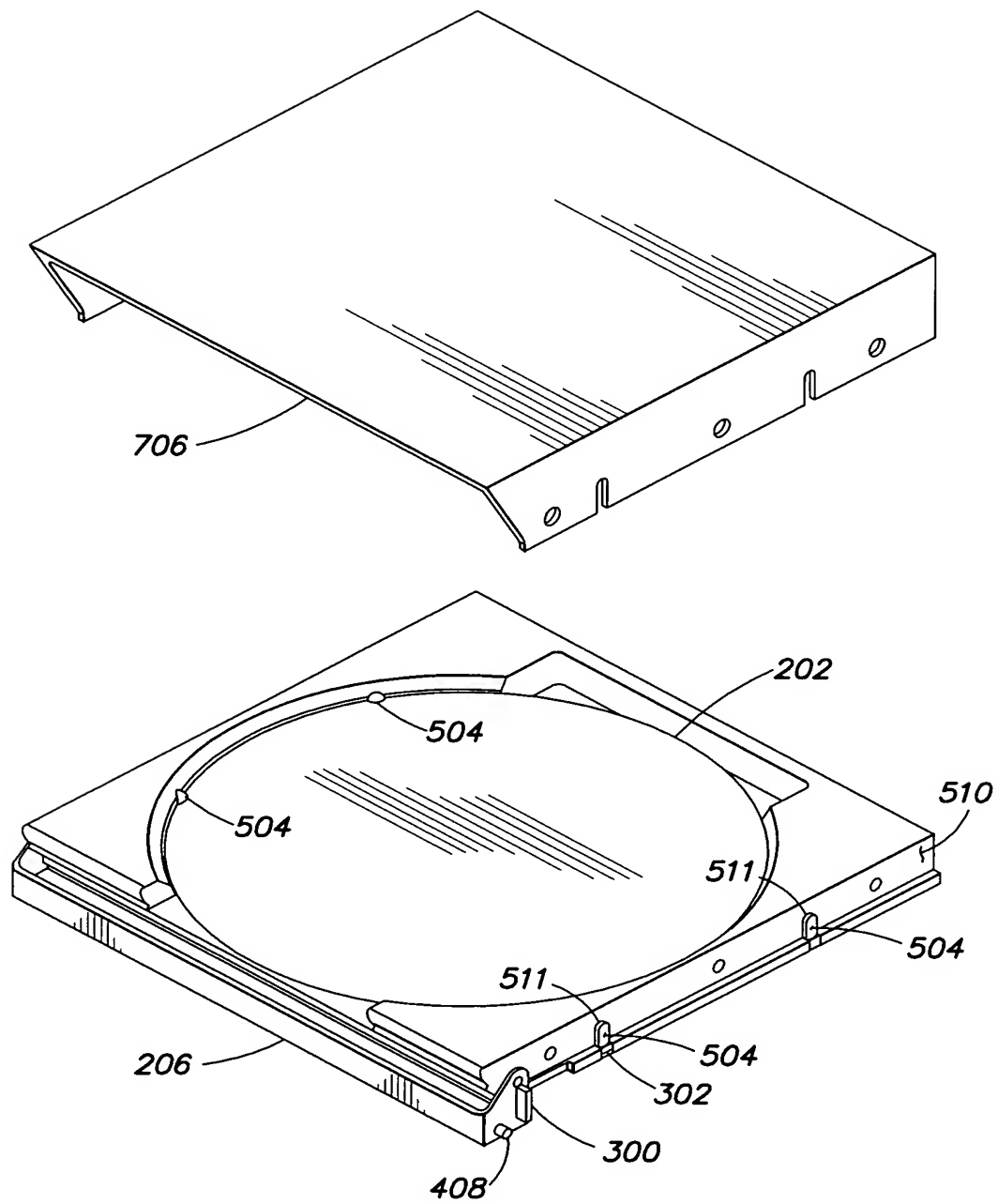
FIG. 7D

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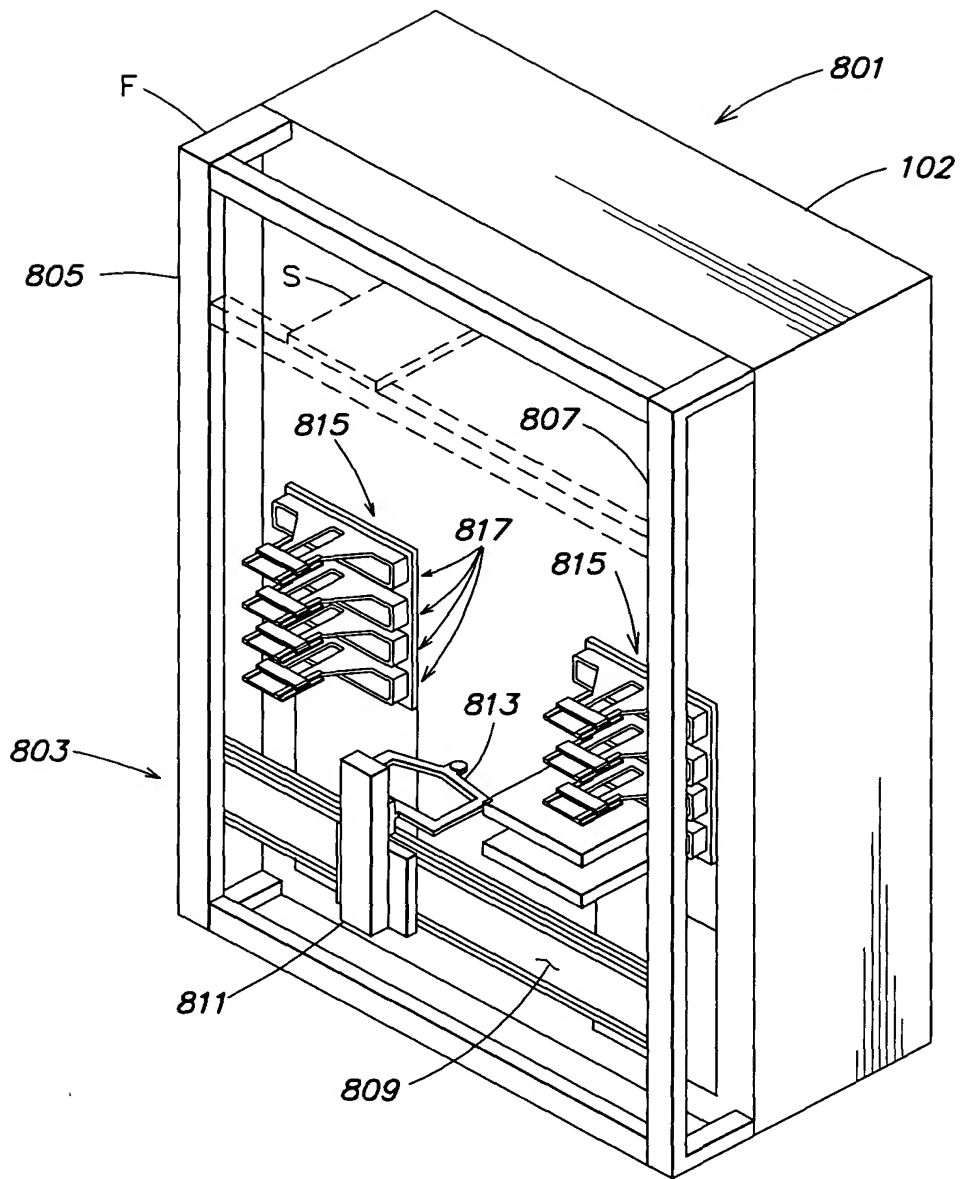
**FIG. 7E**

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**FIG. 8**

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